



COMBINED DECLARATION AND POWER OF ATTORNEY  
(Original, Design, Supplemental, Divisional, Continuation, CIP)

As the below named inventor, I hereby declare that:

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

**AGGRECANASE MOLECULES**

SPECIFICATION IDENTIFICATION

the specification of which: (complete (a), (b), or (c))

- (a) ☐ is attached hereto.  
(b) ☒ was filed on January 25, 2002 as  
    ☒ Application Number 10/057,487  
    ☐ Express Mail No. , as Application Number not yet known  
(c) ☐ was described and claimed in PCT International Application No. filed  
    on and as amended under PCT Article 19 on (if any).

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37 CFR 1.56(a).

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate or of any PCT International application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate of any PCT International application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) on which priority is claimed.

- (d) ☒ No such applications have been filed.  
(e) ☐ Such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. claimed priority, check item (e), enter the details below and make the priority claim.

Earliest Foreign Application(s), if any, filed within 12 months (6 months for Design) prior to this U.S. Application

Country	Application No.	Date of Filing (Day, Month, Year)	Priority Claimed 35 USC 119

All Foreign Application(s), if any, Filed More Than 12 Months  
(6 Months for Design) Prior to This U.S. Application)

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)  
(35 U.S.C. § 119(E))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

**PROVISIONAL APPLICATION NUMBER**

**FILING DATE**

60/241,469

October 18, 2000

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)  
(UNDER 35 U.S.C. 120)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT International filing date of this application.

**PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS  
DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120**

U.S. Applications		Status (Check One)		
U.S. Applications	U.S. Filing Date	Patented	Pending	Abandoned
09/978,979	10/16/01	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PCT Applications Designating U.S.		
PCT APPLICATION NO.	PCT FILING DATE (Day, Month, Year)	U.S. APPLICATION NO. ASSIGNED (if any)

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.



Customer Number: 25291

Bar Code:



and Gavin Bogle, Limited Recognition Under 37 C.F.R. §10.9(b).



Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO:

Customer Number: 25291

Bar Code:



DIRECT ALL TELEPHONE CALLS TO:

Name: Gavin Bogle

Tel. No. (617) 665-8079

DECLARATION

I hereby declare that all statements herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Full name of SOLE OR FIRST INVENTOR: **Lisa A. RACIE**

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Country of Citizenship: **United States of America**

Residence : **124 School St., Acton, MA 01720**

Post Office Address: **same as above**

Full name of SECOND JOINT INVENTOR: **Natalie C. TWINE**

Inventor's Signature Natalie C. Twine Date 7/30/03

Country of Citizenship: **United States of America**

Residence : **379 Goffstown, NH 03045**

Post Office Address: **same as above**

Full name of THIRD JOINT INVENTOR: **Michael J. AGOSTINO**

Inventor's Signature Michael J. Agostino Date 7/29/03

Country of Citizenship: **United States of America**

Residence : **26 Wolcott Ave., Andover, MA 01810**

Post Office Address: **same as above**

Full name of FOURTH JOINT INVENTOR: **Edward R. LAVALLIE**

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Country of Citizenship: **United States of America**

Residence : **113 Ann Lee Rd., Harvard, MA 01452**

Post Office Address: **same as above**

Full name of FIFTH JOINT INVENTOR: **Christopher J. CORCORAN**

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Country of Citizenship: **United States of America**

Residence : **170 Broadway Apt. 3, Arlington, MA 02474**

Post Office Address: **same as above**

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COMBINED DECLARATION AND POWER OF ATTORNEY  
(Original, Design, Supplemental, Divisional, Continuation.CIP)

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    ☒ Application Number 10/057,487  
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- (d) ☒ No such applications have been filed.  
(e) ☐ Such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. claimed priority, check item (e), enter the details below and make the priority claim.

Earliest Foreign Application(s), if any, filed within 12 months (6 months for Design) prior to this U.S. Application

Country	Application No.	Date of Filing (Day, Month, Year)	Priority Claimed 35 USC 119

All Foreign Application(s), if any, Filed More Than 12 Months  
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PROVISIONAL APPLICATION NUMBER

FILING DATE

60/241,469

October 18, 2000

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(UNDER 35 U.S.C. 120)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT International filing date of this application.

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS  
DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120

U.S. Applications		Status (Check One)		
U.S. Applications	U.S. Filing Date	Patented	Pending	Abandoned
09/978,979	10/16/01	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



PCT Applications Designating U.S.		
PCT APPLICATION NO.	PCT FILING DATE (Day, Month, Year)	U.S. APPLICATION NO. ASSIGNED (if any)

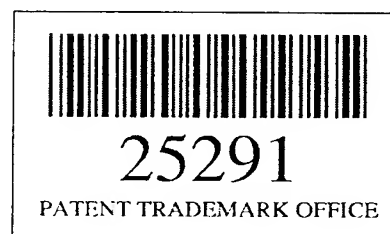
POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.



Customer Number: 25291

Bar Code:



and Gavin Bogle, Limited Recognition Under 37 C.F.R. §10.9(b).

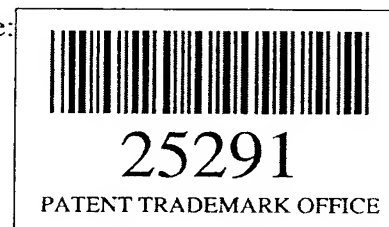


Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO:

Customer Number: 25291

Bar Code:



DIRECT ALL TELEPHONE CALLS TO:

Name: Gavin Bogle

Tel. No. (617) 665-8079

DECLARATION

I hereby declare that all statements herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Full name of SOLE OR FIRST INVENTOR: **Lisa A. RACIE**

Inventor's Signature *Lisa A. Racie* Date *July 29, 2003*

Country of Citizenship: **United States of America**

Residence : **124 School St., Acton, MA 01720**

Post Office Address: **same as above**

Full name of SECOND JOINT INVENTOR: **Natalie C. TWINE**

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Country of Citizenship: **United States of America**

Residence : **379 Goffstown, NH 03045**

Post Office Address: **same as above**

Full name of THIRD JOINT INVENTOR: **Michael J. AGOSTINO**

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Country of Citizenship: **United States of America**

Residence : **26 Wolcott Ave., Andover, MA 01810**

Post Office Address: **same as above**

Full name of FOURTH JOINT INVENTOR: **Edward R. LAVALLIE**

Inventor's Signature *Edward R. Lavallie* Date *July 29, 2003*

Country of Citizenship: **United States of America**

Residence : **113 Ann Lee Rd., Harvard, MA 01452 01451**

Post Office Address: **same as above**

*ERL  
7/29/03*

Full name of FIFTH JOINT INVENTOR: **Christopher J. CORCORAN**

Inventor's Signature *Chris J. Corcoran* Date *29 July 2003*

Country of Citizenship: **United States of America**

Residence : **170 Broadway Apt. 3, Arlington, MA 02474**

Post Office Address: **same as above**

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re of Application of: RACIE et al.  
Application No.: 10/057,487      Group Art No.: 1652  
Filed: January 25, 2002      Examiner: SLOBODYANSKY  
For: AGGRECANASE MOLECULES  
Confirmation No.: 3565  
Customer Number: 25291

**CERTIFICATE OF MAILING 37 CFR §1.10**

I hereby certify that this paper and the documents referred to as enclosed therein are being deposited with the United States Postal Service on the date written below in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EV 238504309 US addressed to the Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

8/28/03

Date

Elizabeth Ruzich  
Elizabeth Ruzich

ASSENT OF ASSIGNEE

The written consent of all assignees and inventors owning an undivided interest in the original patent application is included.

Filed herein is a statement under 37 C.F.R. §3.73(b).

The assignee owning an undivided interest in said original patent application is Genetics Institute, LLC and the assignee consents to the accompanying Assignment.

Andrea Ryan  
Andrea Ryan  
Assistant Secretary

8/28/03  
Date

Wyeth  
Patent Law Department  
Five Giralda Farms  
Madison, NJ 07940  
Tel. No. (617) 665-8079

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Genetics Institute, LLC

Application No./Patent No.: 10/057,487 Filed/Issue Date: January 25, 2002

Entitled: Aggrecanase Molecules

Genetics Institute, LLC, a corporation of Delaware  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: inventors To: Wyeth  
The document was recorded in the United States Patent and Trademark Office at  
Reel 013065, Frame 0436, or for which a copy thereof is attached.
2. From: Wyeth To: Genetics Institute, LLC  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached. (from Wyeth to Genetics Inst.)  
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

08-28-2003

Date

617-665-8758

Telephone number

M. Andrea Ryan

Typed or printed name

Signature

Assistant Secretary

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ASSIGNMENT

WHEREAS, Wyeth, Five Giralda Farms, Madison, NJ 07940 (hereinafter referred to as "ASSIGNOR") is the owner of the entire right, title and interest in, to and under the inventions entitled, "Aggrecanase Molecules," for which applications for United States Patent were filed on January 25, 2002 and October 16, 2001, and assigned U.S. Serial Numbers 10/057,487 and 09/978,979 respectively, by virtue of an Assignment recorded at Reel 013065, beginning at Frame 0436, on July 5, 2002.

WHEREAS, Genetics Institute, LLC, 87 CambridgePark Drive, Cambridge, MA 02140 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest therein;

NOW THEREFOR, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, said ASSIGNOR, hereby sells, assigns; and transfers and sets over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under said invention in the United States, and said United States patent, and all divisions, renewals, and continuations thereof, and all reissues, reexaminations and extensions thereof; and as to Letters Patent any reissue or reexamination thereof.

ASSIGNOR HEREBY covenants and agrees that it has full right to convey the entire right, title and interest herein assigned, and that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR covenants and agrees to execute or procure any further necessary assurance of the title to said invention and any Letters Patent which may issue therefor and to, at any time, upon the request and at the expense of ASSIGNEE deliver any testimony in any interference, litigation or proceeding related thereto and execute all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefor in ASSIGNEE, its successors, assigns or other legal representatives, and that to, at any time, upon the request and at the expense of ASSIGNEE execute any continuations, continuations in-part, divisional, renewal or substitute thereof, and as to Letters Patent and reissue or re-examination thereof, or any other additional applications for Letters Patent for said invention or any part or

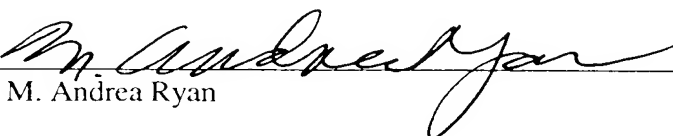
parts thereof, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, and will make all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

The undersigned verifies that she is authorized to make this Assignment on behalf of the ASSIGNOR and has reviewed the documents in the chain of title of the U.S. Serial Number 10/057,487 and 09/978,979, and, to the best of the undersigned's knowledge and belief, title is in the ASSIGNOR identified above.

ASSIGNOR authorizes and requests the Commissioner of Patents to issue any and all Letters Patent of the United States for said invention, resulting from any of the aforesaid applications to ASSIGNEE.

Wyeth

Dated: 8/28/03

By:   
M. Andrea Ryan

Title: Assistant Secretary

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